

FORM PTO-1449

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DCK NO. 264/217 SERIAL NO. 09/910,469

APPLICANT: Markus Schweitzer et al.

FILING DATE: July 19, 2001 GROUP: Not Assigned

U.S. PATENT & TRADEMARK OFFICE

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U.S. several sheets if necessary

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
M	AA	5,763,175	06/09/1998	Brenner	435	6	11/17/1995
L	AB	5,605,662	02/25/1997	Heller et al.	422	68.1	11/01/1993
	AC	6,051,380	04/18/2000	Sosnowski et al.	435	6	12/05/1997

FOREIGN PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION		
							YES	NO	
M	AD	86/07387	12/18/1986	WIPO					
	AE	0 305 145 A2	03/01/1989	European Patent Office					
	AF	0 360 940 A2	04/04/1990	European Patent Office					
	AG	Hei 3-151900	06/28/1991	Japan			X		
	AH	93/13223	07/08/1993	WIPO					
	AI	93/13225	07/08/1993	WIPO					
	AJ	93/25563	12/23/1993	WIPO					
	AK	0 360 940 B1	01/31/1996	European Patent Office					
	AL	97/32999	09/12/1997	WIPO					
	AM	97/43232	11/20/1997	WIPO Abstract Only					
	AN	98/25943	06/18/1998	WIPO Abstract Only					
	AO	99/15509	04/01/1999	WIPO Abstract Only					
	AP	99/15539	04/01/1999	WIPO Abstract Only					
	AQ	99/15540	04/01/1999	WIPO Abstract Only					
	AR	99/15541	04/01/1999	WIPO Abstract Only					
	AS	99/15542	04/01/1999	WIPO Abstract Only					
	AT	99/15893	04/01/1999	WIPO Abstract Only					
M	AU	00/11011	03/02/2000	WIPO Abstract Only					

EXAMINER: *N* DATE CONSIDERED: *Aug 03*

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h	BA	00/58516	10/05/2000	WIPO			
	BB	00/39581	07/06/2000	WIPO			
	BC	00/60124	10/12/2000	WIPO			
	BD	01/07657 A1	02/01/2001	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
m	BE	Beier, M. et al., "Chemical Etiology of Nucleic Acid Structure: Comparing Pentopyranosyl-(2'→4') Oligonucleotides with RNA", <i>Science</i> , Vol. 283, pp. 699-703, Jan. 29, 1999.
	BF	Shchepinov, M.S. et al., "Oligonucleotide dendrimers: synthesis and use as polylabelled DNA probes", <i>Nucleic Acids Research</i> , Vol. 25, No. 22, pp. 4447-4454, 1997.
	BG	Gilles, P.N. et al., "Single nucleotide polymorphic discrimination by an electronic dot blot assay on semiconductor microchips", <i>Nature Biotechnology</i> , Vol. 17, pp. 365-370, Apr. 17, 1999.
	BH	Liu, J. et al., "Template-directed photoligation of oligodeoxyribonucleotides via 4-thiothymidine", <i>Nucleic Acids Research</i> , Vol. 26, No. 13, pp. 3300-3304, 1998.
	BI	Green, N. M., "Advances in Protein Chemistry", pp. 85-132, 1975.
	BJ	Chilkoti, A., et al., "Molecular Origins of the Slow Streptavidin - Biotin Dissociation Kinetics", <i>J. Am. Chem. Soc.</i> Vol. 117, pp. 10622-10628, 1995.
	BK	Chu, B.C.F. et al., "Ligation of oligonucleotides to nucleic acids or proteins via disulfide bonds", <i>Nucleic Acids Research</i> , Vol. 16, No. 9, pp. 3671-3691, 1988.
	BL	Goodwin, J.T. et al., "Template-Directed Synthesis: Use of a Reversible Reaction", <i>J. Am. Chem. Soc.</i> , Vol. 114, pp. 9197-9198, 1992.
	BM	Gryaznov, S.M. et al., "Chemical Ligation of Oligonucleotides in the Presence and Absence of a Template", <i>J. Am. Chem. Soc.</i> , Vol. 115, pp. 3808-3809, 1993.
	BN	Uhlmann et al., "Antisense Oligonucleotides: A New Therapeutic Principle", <i>Chemical Abstracts</i> , Vol. 90, No. 4, pp. 543-584, 1990.
	BO	Pitsch, S. et al., "147. Why Pentose- and Not Hexose-Nucleic Acids?" <i>Helv. Chim. Acta</i> , Vol. 76, pp. 2161-2183, 1993.
	BP	Pitsch, S. et al., "122. Pyranosyl-RNA ('p-RNA'): Base-Pairing Selectivity and Potential to Replicate", <i>Helv. Chim. Acta</i> , Vol. 78, pp. 1621-1635, 1995.
	BQ	Schlönvogt, I. et al., "188. Pyranosyl-RNA ('p-RNA'): NMR and Molecular-Dynamics Study of the Duplex Formed by Self-pairing of Ribopyranosyl-(C-G-A-A-T-T-C-G)" <i>Helv. Chim. Acta</i> , Vol. 79, pp. 2316-2345, 1996.
	BR	Bolli, M. et al., "131. Pyranosyl-RNA: Further Observations on Replication", <i>Helv. Chim. Acta</i> , Vol. 80, pp. 1901-1951, 1997.
n	BS	Westin, L. et al., "Antimicrobial Resistance and Bacterial Identification Utilizing a Microelectronic Chip Array", <i>J. Clinical Microbiol.</i> , Vol. 39, No. 3, pp. 1097-1104, 2001.

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APPLICANT: Mark SCHWEITZER et al.		
FILING DATE: July 19, 2001		GROUP: 1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>14</i>	BT	4,563,419	01/07/1986	Ranki	435	6	12/29/1983
	BU	4,751,177	06/14/1988	Stabinsky	435	6	06/13/1985
	BV	4,787,963	11/29/1988	MacConnell	204	450	05/04/1987
	BW	5,143,854	09/01/1992	Pirrung et al.	436	518	03/07/1990
	BX	5,202,231	04/13/1993	Drmanac et al.	435	6	06/18/1991
	BY	5,219,726	06/15/1993	Evans	435	6	06/02/1989
	BZ	5,632,957	05/27/1997	Heller et al.	422	68.1	09/09/1994
	CA	5,653,939	08/05/1997	Hollis et al	422	50	08/07/1995
	CB	5,695,940	12/09/1997	Drmanac et al.	435	6	06/05/1995
	CC	5,744,305	04/28/1998	Fodor et al.	435	6	06/06/1995
<i>12</i>	CD	6,051,380	04/18/2000	Sosnowski et al.	435	6	12/05/197

FOREIGN PATENT DOCUMENTS

EXAM INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
<i>W</i>	CE	✓ 2156074	10/02/1985	United Kingdom			
<i>n</i>	CF	✓ 86/03782	07/03/1986	WIPO			
	CG	570/87	04/01/1987	Yugoslavia			
	CH	88/10400	05/03/1988	United Kingdom			
<i>n</i>	CI	✓ 89/10977	11/16/1989	WIPO			
<i>n</i>	CJ	✓ 90/01564	02/22/1990	WIPO			
<i>n</i>	CK	96/13522	05/09/1996	WIPO			
<i>n</i>	CL	✓ 98/51819	11/19/1998	WIPO			
<i>n</i>	CM	99/29711	06/17/1999	WIPO			
<i>n</i>	CN	✓ 99/42558	08/26/1999	WIPO			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<input checked="" type="checkbox"/>	CO	Anderson and Young, "Quantitative Filter Hybridization," <u>Nucleic Acid Hybridization - A Practical Approach</u> , Eds. B.D. Hames and S.J. Higgins (Washington, D.C. :IRL Press 1985) pp 73-111
<input checked="" type="checkbox"/>	CP	Bains, "Setting a Sequence to Sequence a Sequence," <u>Bio/Technology</u> , 10:757-758 (1992)
<input checked="" type="checkbox"/>	CQ	Baringa, "Will 'DNA Chip' Speed Genome Initiative?", <u>Science</u> , 253:1489 (1991)
<input checked="" type="checkbox"/>	CR	Beattie et al., "Genosensor Technology," <u>The 1992 San Diego Conference: Genetic Recognition</u> , pp 1-5 (Nov, 1992)
<input checked="" type="checkbox"/>	CS	Beltz et al., "Isolation of Multigene Families and Determination of Homologies by Filter Hybridization Methods," <u>Methods in Enzymology</u> , 100:266-285 (1983)
<input checked="" type="checkbox"/>	CT	Brady, A. et al., <u>J.Chem.Soc., Perkin Trans.</u> , 1, 1997, pp. 3237-3253
<input checked="" type="checkbox"/>	CU	Cheng J. et al., <u>Nature/Biotechnology</u> , 16, 6/98, pp 541-546
<input checked="" type="checkbox"/>	CV	Chu, B.C.F. et al., "Ligation of oligonucleotides to nucleic acids or proteins via disulfide bonds", <u>Nucleic Acids Research</u> , Vol. 16, No. 9, pp. 3671-3691, 1988.
<input checked="" type="checkbox"/>	CW	Conner et al., "Detection of Sickle Cell ³ -Globin Allele by Hybridization With Synthetic Oligonucleotides," <u>Proc. Natl. Acad. Sci. USA</u> , 80:278-282 (1983)
<input checked="" type="checkbox"/>	CX	Drmanac et al., "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing," <u>Science</u> , 260: 1649-1652 (1993)
<input checked="" type="checkbox"/>	CY	Drmanac et al., "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method," <u>Genomics</u> , 4:114-128 (1989)
<input checked="" type="checkbox"/>	CZ	Edman C.F. et al., <u>Nucleic Acids Research</u> , 25, 1997, 4907-4914
<input checked="" type="checkbox"/>	DA	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <u>Science</u> , 251:767-773 (1992)
<input checked="" type="checkbox"/>	DB	Fodor et al., "Multiplexed Biochemical Assays With Biological Chips," <u>Nature</u> , 364:555-556 (1993)
<input checked="" type="checkbox"/>	DC	Fredericks P.M., et al., Materials Characterization Using FT-IR Spectra. Part 2: Mathematical & Statistical Considerations, <u>Applied Spectroscopy</u> , 39, 2, 1989, p. 311
<input checked="" type="checkbox"/>	DD	Ghadiri, M. R. et al., <u>Nature</u> , 366, 1993, pp 324-327
<input checked="" type="checkbox"/>	DE	Goodwin, J.T. et al., "Template-Directed Synthesis: Use of a Reversible Reaction", <u>J. Am. Chem. Soc.</u> , Vol. 114, pp. 9197-9198, 1992.
<input checked="" type="checkbox"/>	DF	Guo Z. et al., <u>Nucleic Acids Res</u> , vol. 22, no. 24, 1994, pp 5456-5465, Direct Fluorescence Analysis Of Genetic Polymorphism By Hybridization With Olognucleotide Arrays
<input checked="" type="checkbox"/>	DG	Hayakawa Y. et al, <u>J.Am.Chem.Soc.</u> 112, 1990, 1691
<input checked="" type="checkbox"/>	DH	Heller, M.J., <u>IEEE Engineering In Medicine & Biology</u> , March/April 1996, 100-104 An Active Microelectronics Device For Multiplex DNA Analysis
<input checked="" type="checkbox"/>	DI	Huc, I., Lehn, J.M., <u>Proc.Nat.Acad.Sci.USA</u> , 94, 1997, pp 2106-2110
<input checked="" type="checkbox"/>	DJ	Kozal M.J. et al., <u>Nature Medicine</u> , vol. 2, no. 7, 1996, 753-759
<input checked="" type="checkbox"/>	DK	Lehn J.M., <u>J.Chem.Soc. Chem. Commun.</u> , 49, 1990
<input checked="" type="checkbox"/>	DL	Malinowski E.R. et al, <u>Factor Analysis In Chemistry</u> , John Wiley & Sons, New York, 1980
<input checked="" type="checkbox"/>	DM	Marshall, A. et al, <u>Nature Biotechnology</u> , vol. 16, 1998, pp 27-31
<input checked="" type="checkbox"/>	DN	Miculka, C. et al, <u>European BioPharmaceutical Review</u> , 6/98, pp 52-57
<input checked="" type="checkbox"/>	DO	Ramsay, G., <u>Nature Biotechnology</u> , vol. 16, 1998, pp 40-44

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<input checked="" type="checkbox"/>	DP	Ranki et al., "Sandwich Hybridization as a Convenient Method for the Detection of Nucleic Acids in Crude Samples," <u>Gene</u> , 21:77-85 (1983)
<input checked="" type="checkbox"/>	DQ	Schlönvogt, I. et al., "188. Pyranosyl-RNA ('p-RNA'): NMR and Molecular-Dynamics Study of the Duplex Formed by Self-pairing of Ribopyranosyl-(C-G-A-A-T-T-C-G)" <u>Helv. Chim. Acta</u> , Vol. 79, pp. 2316-2345, 1996.
<input checked="" type="checkbox"/>	DR	Sosnowski R. et al., <u>Proc. Natl. Acad. Sci.</u> , 94, 1997, 1119-1123
<input checked="" type="checkbox"/>	DS	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides Evaluation Using Experimental Models," <u>Genomics</u> , 13:1008-1017 (1992)
<input checked="" type="checkbox"/>	DS	Strezoska et al., "DNA Sequencing by Hybridization: 100 Bases Read by a Non-Gel-Based Method", <u>Proc. Natl. Acad. Sci. USA</u> , 88:10089-93 (1991)
<input checked="" type="checkbox"/>	DU	Taylor P. et al, <u>Principles Of Drug Action-The Basis Of Pharmacology</u> , Edited by W.B. Pratt, P. Taylor, Third Edition, Churchill Livingston, 1990, pp 1-74.
<input checked="" type="checkbox"/>	DV	Wallace et al., "Hybridization of Synthetic Oligodeoxynucleotides to x 174 DNA: The Effect of Single Base Pair Mismatch," <u>Nucleic Acid Res.</u> , 6:3543-3557 (1979)
<input checked="" type="checkbox"/>	DW	Westin, L. et al., "Antimicrobial Resistance and Bacterial Identification Utilizing a Microelectronic Chip Array", <u>J. Clinical Microbiol.</u> , Vol. 39, No. 3, pp. 1097-1104, 2001.
<input checked="" type="checkbox"/>	DX	Zhang, Y. et al, <u>J. Am. Chem. Soc.</u> , 116, 1994, pp 1661-1669

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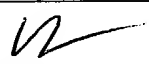
Examiner: Not Yet Assigned	DATE CONSIDERED: 4/1/02
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	APPLICANT: Schweitzer et al.	
	FILING DATE: July 19, 2001	GROUP: 1634

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
<i>M</i>	AA	MICULKA et al., <i>European BioPharmaceutical Review</i> , p. 52-57 (June 1998)
		Pages 52-54 and 57
		<i>B</i> pages 55-56 missing
		pages 58 → end of Article missing

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<i>Non-English</i>		197 41 716 A	03/25/99	Germany			
<i>n</i>		WO 00/4192	06/17/99	WIPO			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		

IRI:1051150. IEXAMINER: <i>n</i>	DATE CONSIDERED: <i>4/04</i>
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